

High School Name:
 Community College Name:
 CTE Program of Study Name:
 Date:

Sherwood High School
Portland Community College
Information Communication Technology
2/5/2016

Information & Communications Technology - ICT (B&M) Cluster

Skills-to-Course Matrix

Instructions: 1) Click on Sample High School above and enter your High School Name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose in each course. (You only need to use the optional Focus Area tabs if you are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.)

Cluster Knowledge and Skills (CTE standards)

Code Number	KS Statement	CIS 120	TSA ³	CIS 121	TSA ³	CIS 122	TSA ³	CIS 133X	TSA ³	CIS 140M	TSA ³
ITCi01.01	Use oral and written communication in creating, expressing, and interpreting information and ideas within the information and communication technologies cluster occupations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
ITCi02.01	Exhibit ethical and professional behavior.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi03.01	Use information technology tools specific to the information and communication technologies cluster to access, manage, integrate, and create information.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi04.01	Explore, plan, and effectively manage careers within the information and communication technologies cluster.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITCi05.01	Perform problem solving and troubleshooting for information and communication cluster.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi06.01	Demonstrate an understanding of systems within the information and communication technologies environment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi07.01	Use knowledge of design, operation, and maintenance of technological systems critical to the information and communication technologies cluster.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ITCi08.01	Understand and adhere to safety, health, and environmental standards and regulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi09.01	Demonstrate ability to develop, implement, and maintain cybersecurity.	<input type="checkbox"/>									
ITCi10.01	Demonstrate ability to manage projects.	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
ITCi11.01	Demonstrate ability to manage, monitor, and evaluate work processes and procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

High School Name: **Sherwood High School**
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Network Design & Administration Focus Area

Skills-to-Course Matrix

Instructions: 1) Click on Sample High School above and enter your High School Name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose in each course.

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	CIS 120	TSA ²	CIS 121	TSA ²	CIS 140M	TSA ²	CIS 140U	TSA ²	CIS 179	TSA ²	CIS 240M	TSA ²	CIS 240L	TSA ²
ICPDi01.01	Perform analysis of customer requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ICPDi02.01	Design network.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
ICPDi03.01	Configure and deploy network.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
ICPDi04.01	Perform testing on network.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
ICPDi05.01	Manage network.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
ICPDi06.01	Maintain network and manage growth.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
ICPDi07.01	Perform security administration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

High School Name: **Sherwood High School**
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Technical Support Focus Area

Skills-to-Course Matrix

Instructions: 1) Click on Sample High School above and enter your High School Name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose in each course.

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	cls120	□ <i>TSA²</i>	cls121	□ <i>TSA²</i>	cls140M	□ <i>TSA²</i>	cls145	□ <i>TSA²</i>	cls179	□ <i>TSA²</i>	cls225	□ <i>TSA²</i>
ICPFi01.01	Perform troubleshooting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ICPFi02.01	Provide facilitation and customer service.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ICPFi03.01	Perform hardware and software installation, configuration, upgrades, and network support.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ICPFi04.01	Perform system operations, monitoring, and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

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Web Development & Administration Focus Area

Skills-to-Course Matrix

Instructions: 1) Click on Sample High School above and enter your High School Name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose in each course.

Focus Area Knowledge and Skills (CTE standards)

Code Number	Statement	Assessment						
		1	2	3	4	5	6	7
ICPHi01.01	Understand and perform technical analysis.	<input checked="" type="checkbox"/>						
ICPHi02.01	Understand and perform web programming.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICPHi03.01	Develop, deliver and manage web content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPHi04.01	Implement and maintain site and applications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPHi05.01	Manage web environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPHi06.01	Manage enterprise-wide web activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPHi07.01	Perform testing and quality assurance.	<input checked="" type="checkbox"/>						
ICPHi08.01	Develop and implement web database.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**Sherwood High S
Portland Community
Information Communicati
2/5/2016**

Programming & Software Skills-to-Course Matrix

Instructions: 1) Click on Sample High School name. 2) Click on CTE Program of Study name. 3) Enter the date. 4) Enter the date. 5) Click on the checkbox for each skill.

Focus Area Knowledge and Skills (CTE standards)

Code Number	KS Statement	CS 120	TSA ²	CS 121
ICPEb01.01	Perform analysis of customer requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICPEb02.01	Develop structure.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPEb03.01	Design and develop program.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ICPEb04.01	Implement program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICPEb05.01	Test and validate program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICPEb06.01	Release product.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**chool
y College
on Technology**

chool above and enter your High School Name above. 2) Enter the community college name
on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6)

TSAP ²	TSAP ³	TSAP ²	TSAP ²	TSAP ³	TSAP ²
<input type="checkbox"/>					
<input type="checkbox"/>					
<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

. 3) Enter the Program of
Check those courses

CIS 275

TSA3